SOCIETE GENERALE
Cross Asset Research

Commodities Research

Global
Weekly

08 December 2008

Carbon Drivers

Emmanuel Fages
+33 1 42 13 30 29
emmanuel.fages@sgcib.com

www.commodities.sgcib.com

CARBON MARKET SCOREBOARD

	Last week score	Score	Weight	Comment
MARKET FUNDAMENTALS	**2.8**	**3.2**	**55%**	**Bullish on temperatures. Coal prices remain competitive vs gas, but oil drop plays**
Demand	**3.0**	**3.5**	**70%**	**Despite temperatures, EUA demand is still weak**
Temperature	4	4	50%	Still below normal levels (-2°) over whole Europe
Non emitting power (Hydro, Wind, Nuclear)	2	3	50%	Except for Monday, moderate wind over Germany. Still favourable hydro, overall in line with seasonal levels. No relevant movements on nuclear side
Supply	**2.4**	**2.4**	**30%**	**Coal and gas down, but oil-linked gas drag CO2 down. Spread still in favour of carbon prices however**
Gas versus coal prices	3	3	40%	Both gas and coal moved down last week. Overall, first-nearby CIF ARA lost $7.75 /t, while gas lost £p2.3 /th. But theoretical EUA switch value in power plants around €20 due to low oil-linked gas price for continental utilities
CER or ERU sales into the EU ETS	2	2	60%	Spread continues tightening
MARKET SIGNALS	**2.6**	**2.3**	**45%**	**General market sentiment remains down**
Market momentum	**2.0**	**1.8**	**20%**	**EUA, CER markets show lower volumes, technicals still bearish**
Traded volumes	2	3	40%	Lower volumes traded on the market compared to November (an average of 12Mt/day of EUA and 2.2Mt/day of CER last week)
Technical analysis	2	1	60%	Bearish corridor still in place - previous views confirmed
Market sentiment	**2.8**	**2.4**	**80%**	**Progresses on climate agreement are expected at Poznam. Oil recovers today, after its largest slump during the past week (-25%)**
Oil prices	2	2	40%	Economic news continuedly bad for oil demand - will OPEC cut talks matter?
Policy changes / EU news	4	2	40%	Latvia AAU deal to be finalized by the end of 2008. EU energy-climate package converging? Signals differ…
CDM and JI projects	2	4	20%	UN issued 1.5 million CERs last week. Significant volume but less than previous weeks (4Mt on average), following the UN decision to suspend DNV verifications
THIS WEEK TREND	**2.7**	**2.8**	**100%**	**Erosion should continue, will depend on economic rescue package announcement…**

Scoring: 1 = strongly bearish 2 = bearish 3 = neutral 4 = bullish 5 = strongly bullish

NB: All Certified Emission Reduction prices mentioned in this document refer to secondary guaranteed CER (and not to primary, project-linked ones), unless otherwise stated

Key points for the coming week

- Due to continuing worsening economic situation and 2009 anticipations, oil prices could continue decreasing and carbon prices as well

- Dec08 EUA could indeed test €13 or €12 /t in the coming 2 weeks, as some observers had announced, if the economic news flow does not improve. Move below these levels will depend on economic outlook early 2009, but lower values cannot be excluded any more. This is well below fundamental values but as of now there is nothing able to support the market – and especially no significant buyers.

- CER should follow downwards. The CER-EUA spread should continue tightening, with values below €-0.5 /t possible on Dec08 in the very short term. There should be no inversion of the spread in the coming days but this is not theoretically impossible in the medium-run if emissions data show a temporary excess of EUA. We will elaborate more on this in a report to be released end of this week

Edito - No respite in view for EUA, spread with CER to tighten further

EUA have continued their stepwise descent last week. Dec08 traded above €15 /t until Thursday, then broke this level and collapsed by more than €1 to €13.7 /t on Friday. CER resisted a bit better, holding above €14 /t, but then moved down as well and Dec08 finished the week just below €13 /t. As a result the CER-EUA spread has increased to less than €-1, as was foreseeable. There are currently more sellers of EUA than CER since EUA are still more expensive than CER, so that it is more profitable to keep CER for compliance and sell EUA first.

The background is still one of falling energy prices. All underlyings experienced fall: gas to some extent (from GBp56 /th to GBp53 /th), but also power (from €57.4 /MWh to €54.7 /MWh for German Dec09), and especially coal (from $83 /t to $73 /t for CIF ARA first nearby). Most of all and as usual, all eyes are on oil, which keeps diving. WTI closed a notch above $40 /b on Friday, signing its largest weekly drop ever (almost $9) – to its lowest in 4 years. In this context, even the relative better competitiveness of coal relative to gas does not matter much for operators.

Going forward, despite the inevitable technical rebound we are going to experience after such massive drops, the market configuration remains the same for the coming weeks. The continuously worsening news on the economic front (cf. US November job cuts on Friday: 533 000°against a consensus of 350 000) will trigger further decline in oil demand expectations, possibly pushing oil prices further down – some observers start speaking of $20 /b now! There is nothing today to keep it up, even the OPEC further supply cut discussions are dismissed by the market. EUA will have difficulties to withstand such an evolution.

On the fundamental side of the carbon market, industrial companies cutting their production for the end of the year to reduce their stock levels turned into EUA spot sellers. They also revise down their EUA need for next year in view of the deepening recession, and sell spot (to get cash) or forward (Dec09) next year's allowances. On the demand side, utilities have finished hedging the carbon content of their 2009 power sales, and are no buyers just now – moreover, their see their own sales decrease. Both sentiment and fundamentals combine to provide a short term bearish outlook.

As long as market configuration has not changed on the oil front, and the economic news flow does not show the first signs of the hoped-for inflexion point, there is no reason for the EUA to resume an upward path. Nonetheless we consider the present levels to be under fundamental values – as is probably true for many assets in financial markets by now, oil first.

CER should for the time being provide a bottom for EUA, but the spread can tighten to very low absolute values. CER are more supported since the low prices actually destroy supply in the mid-run, supporting price anticipations. But in the short-term some stop-loss sales could happen from recent primary sellers who bought above present prices. They now might want to limit their downside by hedging a fraction of their portfolio, if they turned bearish CER.

Last week update

November was the second most active month of the year for EUA with almost 308 million allowances exchanged on all the platforms. The record was in October with 355 million of EUA.

The number of trades on the bourses overcame the number of trades handled by brokers. Accounting for both spot transactions and forward transactions, 2008 is the highest volume year of the scheme in terms of carbon trading since its start in 2005.

An agreement between the European Parliament and the member states was reached last Monday to reduce cars' emissions from 2012. After long hours of negotiations, it was decided that cars' emissions must be cut by 18% within the next six years (target 2015 instead of 2012). It was also decided that, from 2012, 65% of cars must already not emit more than 120 grammes of CO2 per kilometer. This level will be progressively extended to all new vehicles in 2015 and, by 2020, all cars must emit less than 95 grammes per kilometer - this long-term target is a new element of the agreement.

EU lawmakers are still debating on how to meet the 27 bloc's emissions target to cut the GHG emissions by 20% below 1990 levels by 2020. Particularly, they seem at odd on how to reduce emissions from sectors not covered by the EU-ETS scheme, which today account for 55% of the total GHG emissions. The French proposal of extending the use of offset credits to a maximum limit of 70% to meet the target of cutting emissions by 10% under 2005 levels by 2020 was refused. A compromise on a limit of 50% of credits for use might be reached.

The final decision by the Parliament is scheduled for the week from 15-18 December, after the EU Council meeting of Member States which will take place on 11-12 December.

According to the latest EIA (the Energy Information Administration) statistics, the US green house gas emissions rose by 1.4% to 7.28 billion tonnes in 2007. The increase is primarily attributed to the bad weather and the minor hydro availability, responsible of the increased demand in fossil fuel energy.

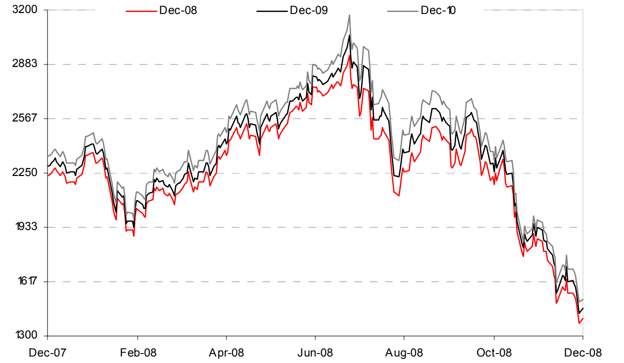
Last week Latvian government approved the sale of 10 million AAU in a multilateral deal to five countries. The price and the potential buyers are still undisclosed. The deal is expected to be closed by the end of the year. According to the European Environmental Agency figures, Latvia would have about 40 million AAU as surplus for sale during the period 2008-2012. By 2010 the country will likely be 58% below 1990 emissions' level, while its Kyoto target is set to 8% under 1990 levels by 2012.

UN last week decided to suspend key verifier (DOE) DNV temporarily. This could cut / delay some CER issuances.

Coming up this week

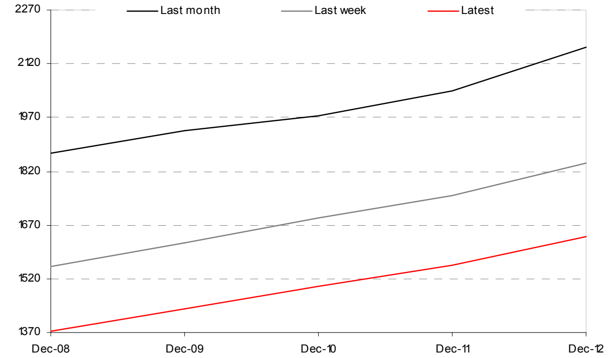
Around 9000 delegates from 185 countries are continuing their meeting in Poznan, in Poland, to discuss on the new climate action agreement, which would follow the Kyoto protocol from 2013. The document will be the basis of talks at the Copenhagen summit next year. Mitigation, adaptation, financing adaptation measures for poor countries and technology transfer are some of the key points discussed.

Phase II prices on ECX (cEUR/t)



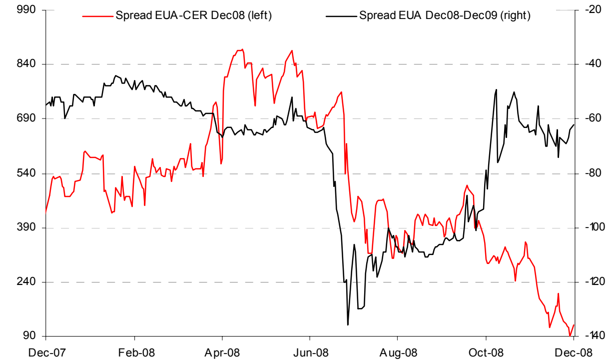
Source: Reuters, SG Commodities Research

EUA forward curves on ECX (cEUR/t)



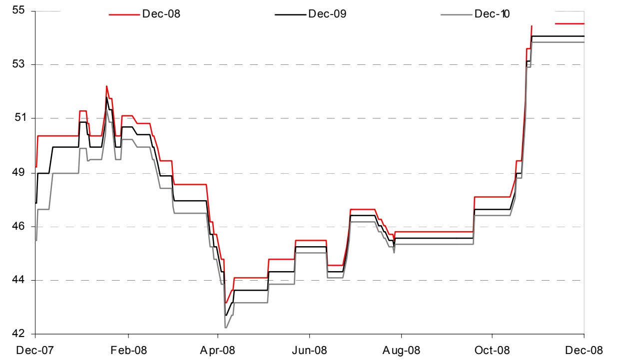
Source: Reuters, SG Commodities Research

EUA-CER spreads,EUA Dec08-Dec09 spreads (cEUR/t)



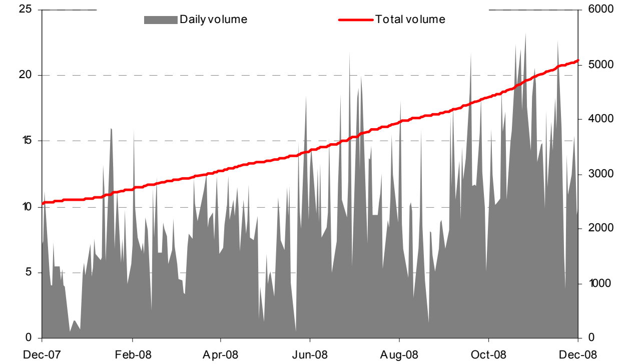
Source: Reuters, SG Commodities Research

EUA 1-month implied volatility on ECX (%)



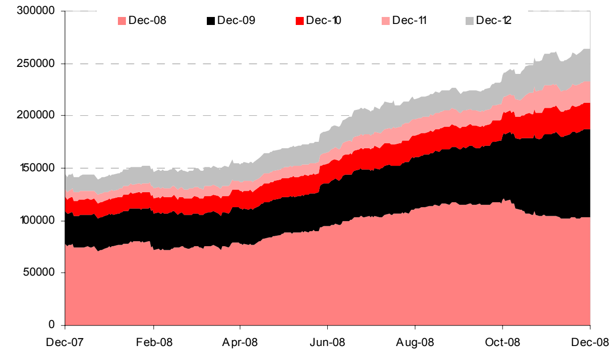
Source: Reuters, SG Commodities Research

EUA total volumes (OTC+ exchanges) (Mt)



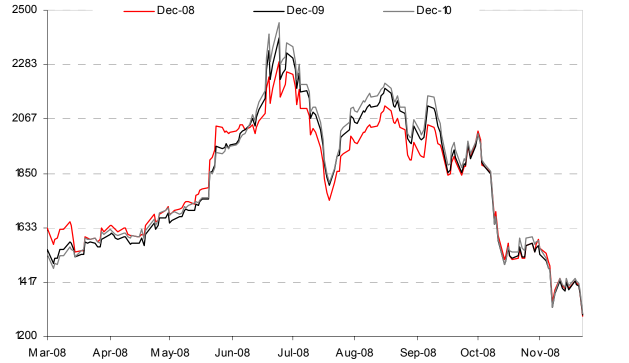
Source: Point Carbon, SG Commodities Research

EUA open interests on ECX (kt)



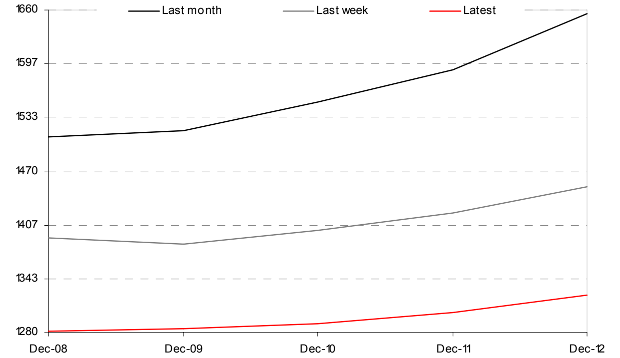
Source: Reuters, SG Commodities Research

CER prices on ECX (cEUR/t)



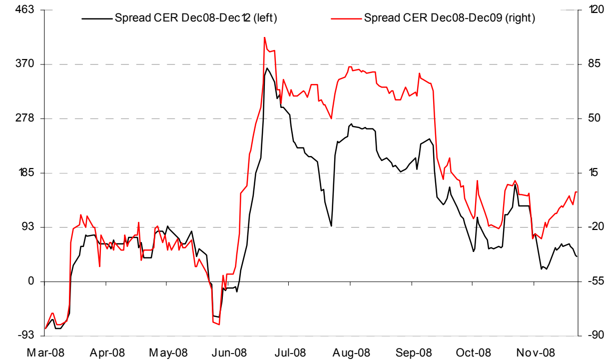
Source: Reuters, SG Commodities Research

CER forward curves on ECX (cEUR/t)



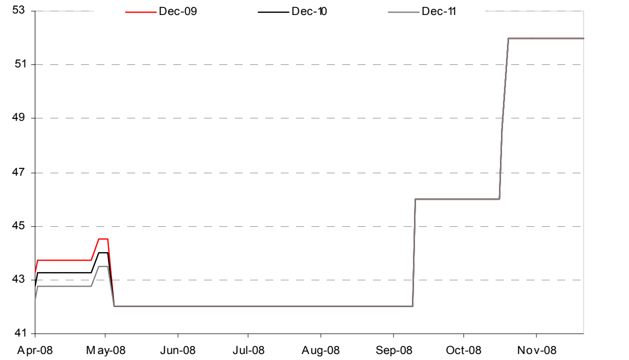
Source: Reuters, SG Commodities Research

CER Dec08-Dec09 and Dec08-Dec12 spreads (cEUR/t)



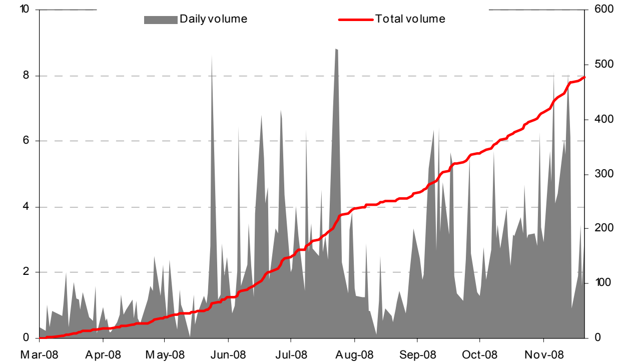
Source: Reuters, SG Commodities Research

CER 1-month implied volatility on ECX (%)



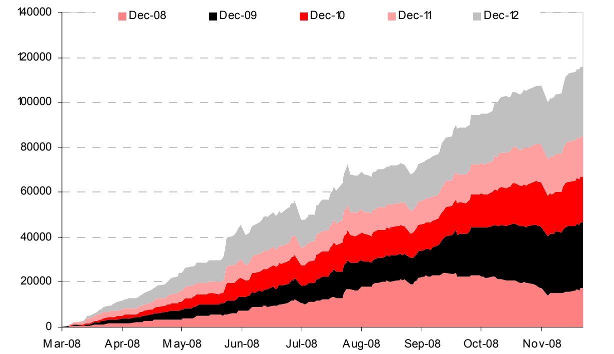
Source: Reuters, SG Commodities Research

CER volumes on ECX (Mt)



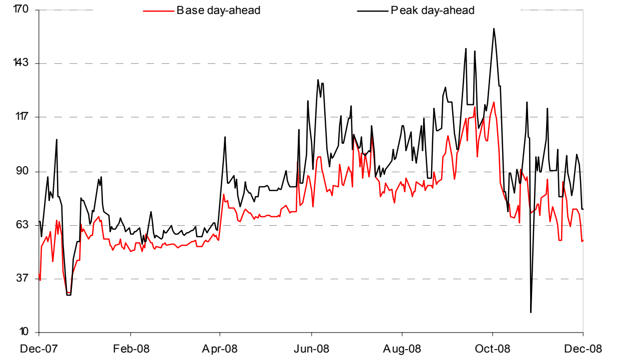
Source: Reuters, SG Commodities Research

CER open interests on ECX (kt)



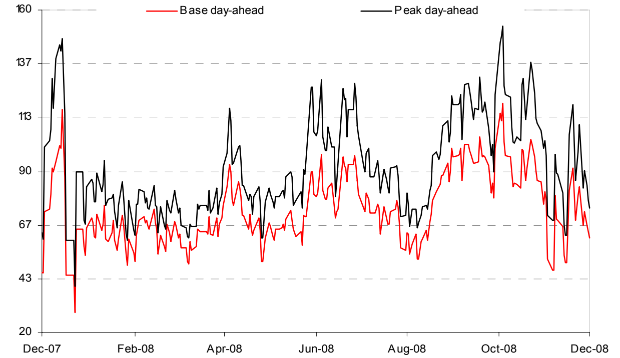
Source: Reuters, SG Commodities Research

UK power prices (EUR/MWh)



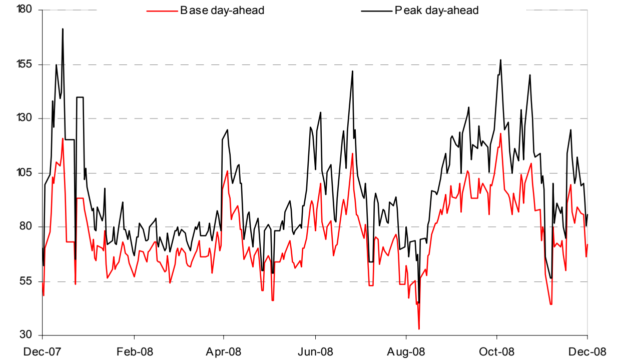
Source: Reuters, SG Commodities Research

German power prices (EUR/MWh)



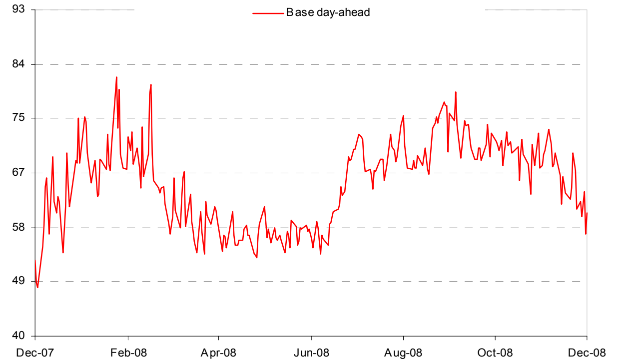
Source: Reuters, SG Commodities Research

French power prices (EUR/MWh)



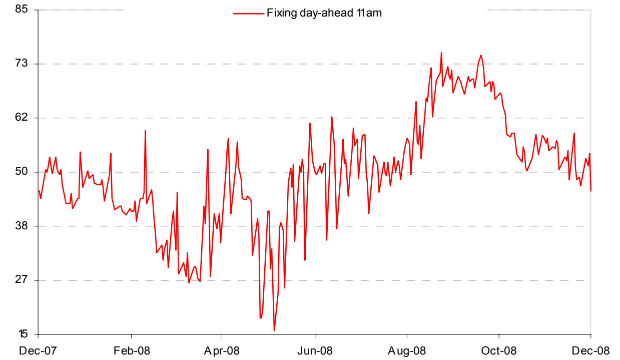
Source: Reuters, SG Commodities Research

Spanish power prices (EUR/MWh)



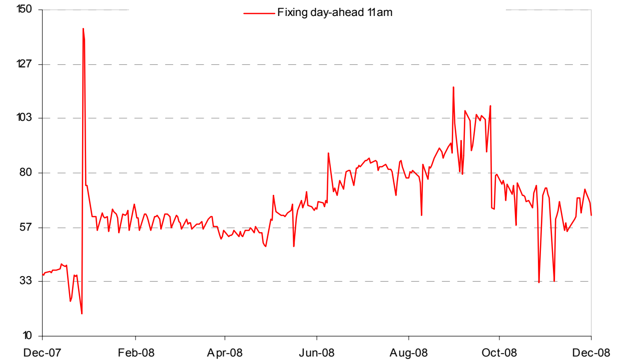
Source: Reuters, SG Commodities Research

Nordic power prices (EUR/MWh)



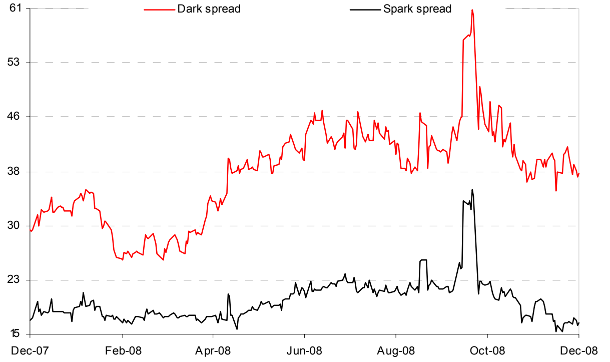
Source: Reuters, SG Commodities Research

Polish power prices (EUR/MWh)



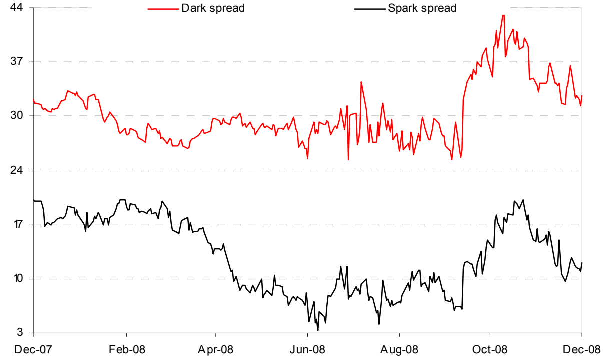
Source: Reuters, SG Commodities Research

UK 2009 dark and spark spreads (EUR/MWh)



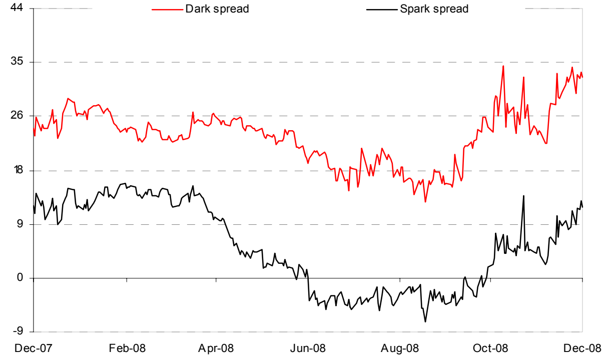
Source: Reuters, SG Commodities Research

German 2009 dark and spark spreads (EUR/MWh)



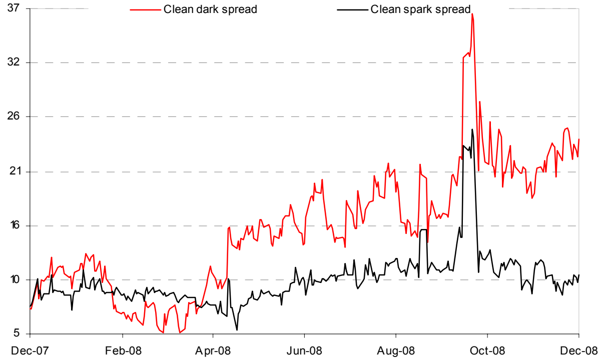
Source: Reuters, SG Commodities Research

Spanish 2009 dark and spark spreads (EUR/MWh)



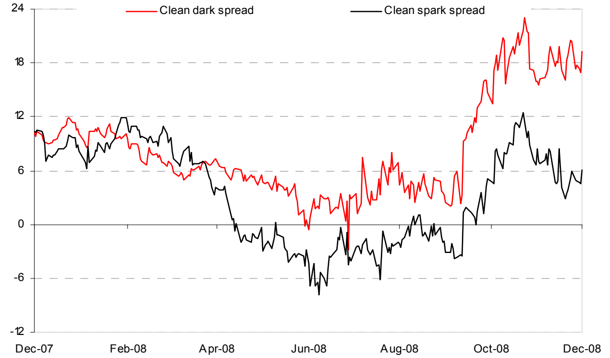
Source: Reuters, SG Commodities Research

UK 2009 clean dark and spark spreads (EUR/MWh)



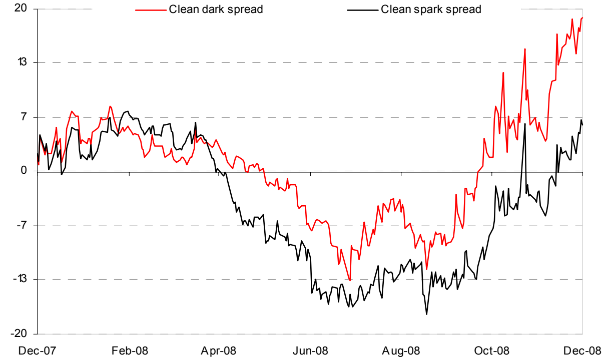
Source: Reuters, SG Commodities Research

German 2009 clean dark and spark spreads (EUR/MWh)



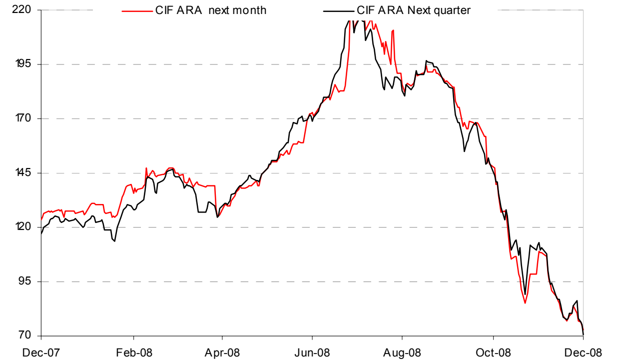
Source: Reuters, SG Commodities Research

Spanish 2009 clean dark and spark spreads (EUR/MWh)



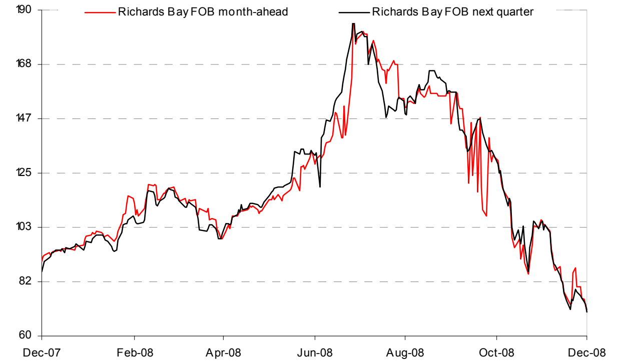
Source: Reuters, SG Commodities Research

CIF ARA front ends ($/t)



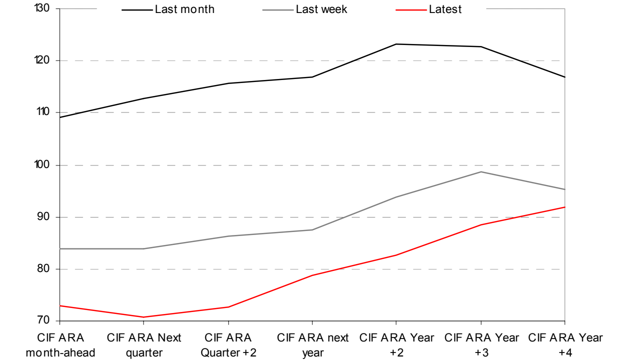
Source: Reuters, SG Commodities Research

FOB front ends ($/t)



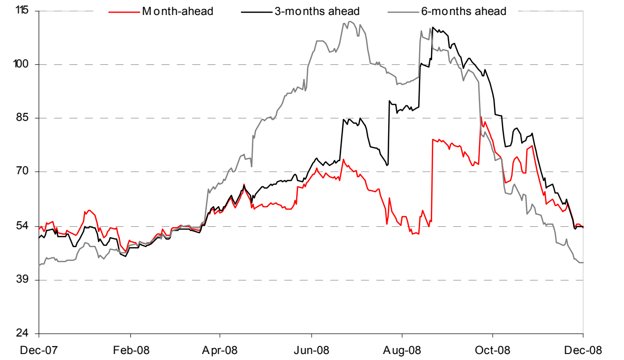
Source: Reuters, SG Commodities Research

CIF ARA forward curves ($/t)



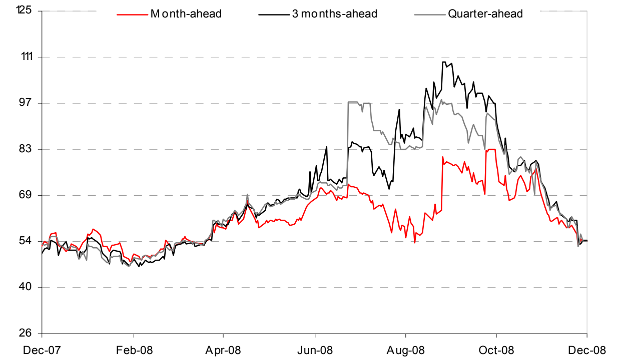
Source: Reuters, SG Commodities Research

NBP forward prices (pence/th)



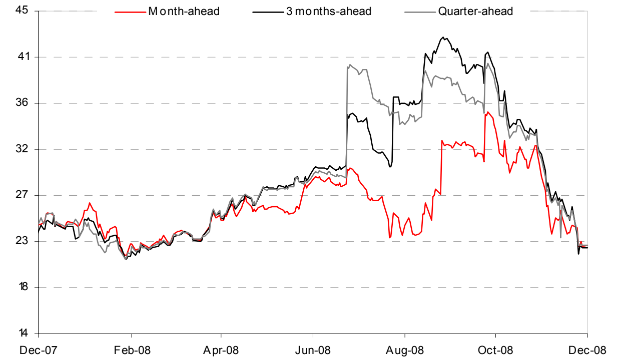
Source: Reuters, SG Commodities Research

Zeebrugge forward prices (pence/th)



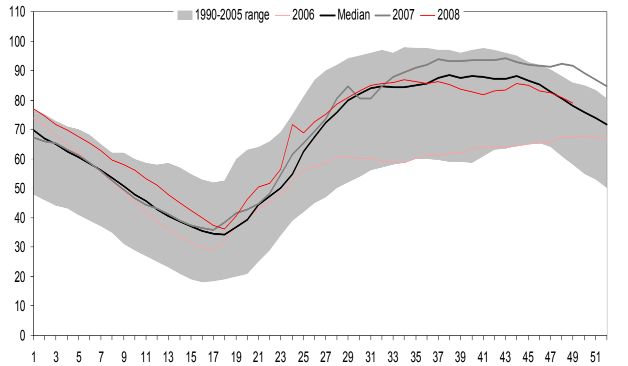
Source: Reuters, SG Commodities Research

TTF forward prices (pence/th)



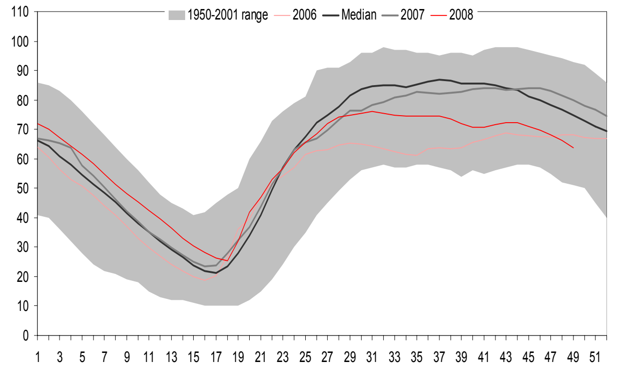
Source: Reuters, SG Commodities Research

Norway reservoirs level (%)



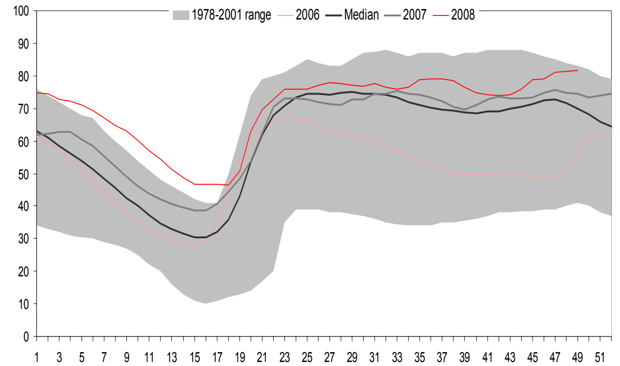
Source: Reuters, SG Commodities Research

Sweden reservoirs level (%)



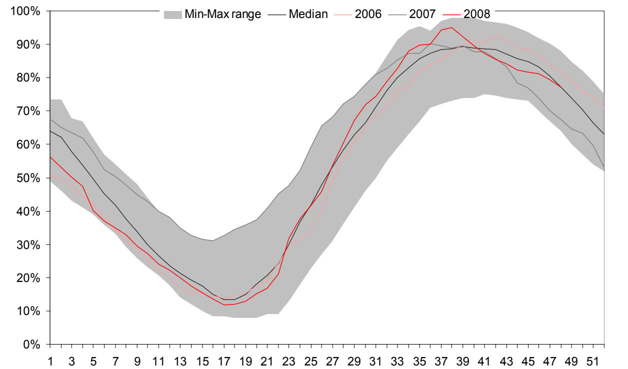
Source: Reuters, SG Commodities Research

Finland reservoirs level (%)



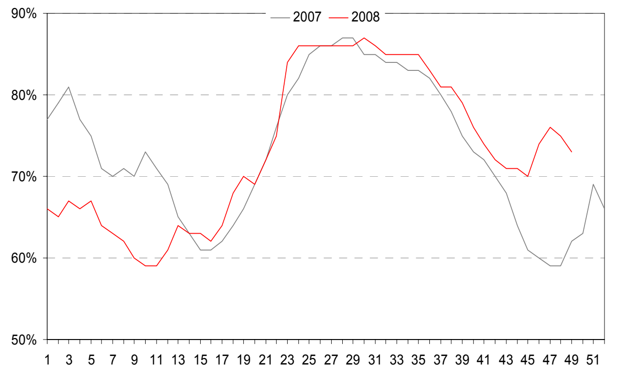
Source: Reuters, SG Commodities Research

Switzerland reservoirs level (%)



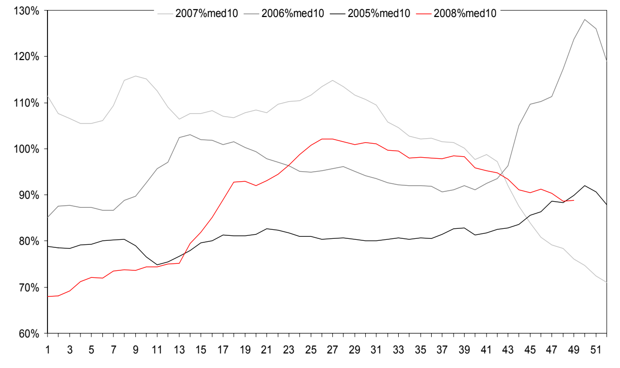
Source: Reuters, SG Commodities Research

France reservoirs level (%)



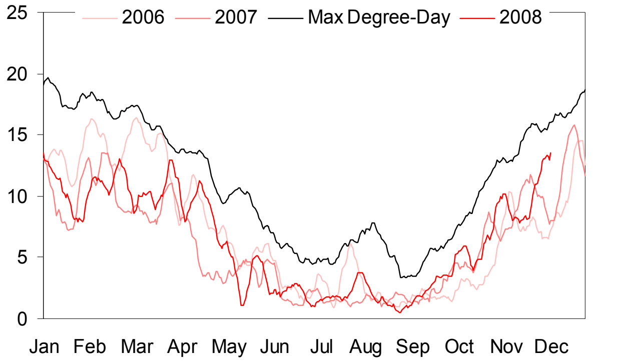
Source: Reuters, SG Commodities Research

Spain reservoirs level (%)



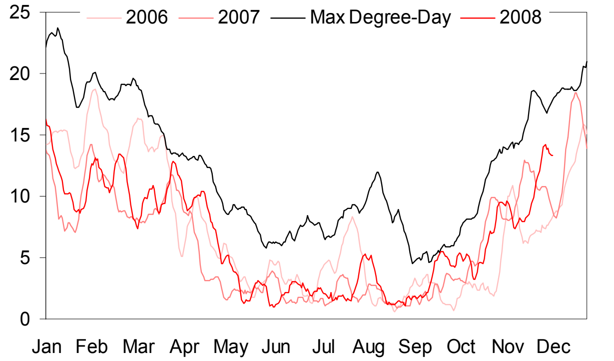
Source: Reuters, SG Commodities Research

Degree-days observed in London (°C)



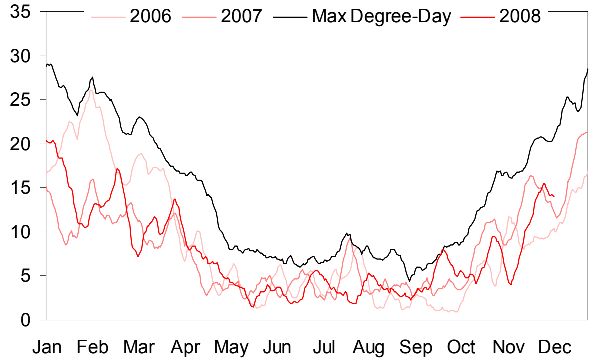
Source: Reuters, SG Commodities Research

Degree-days observed in Paris (°C)



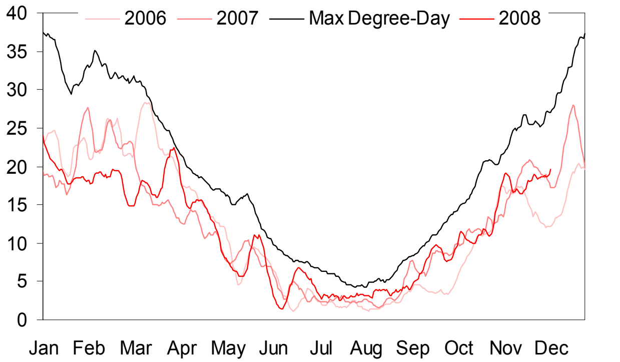
Source: Reuters, SG Commodities Research

Degree-days observed in Vienna (°C)



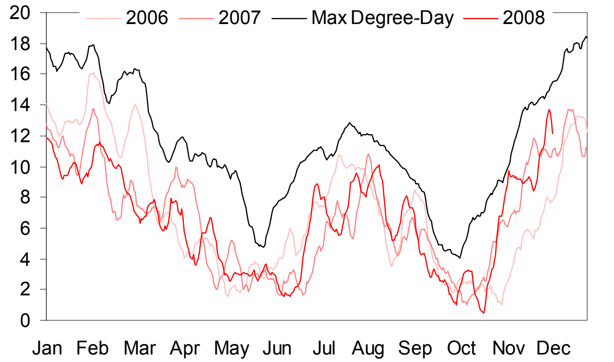
Source: Reuters, SG Commodities Research

Degree-days observed in Oslo (°C)



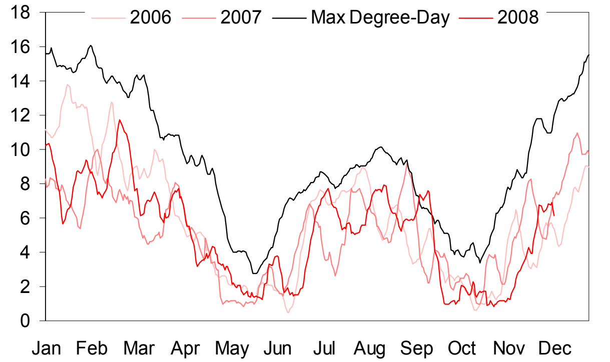
Source: Reuters, SG Commodities Research

Degree-days observed in Madrid (°C)



Source: Reuters, SG Commodities Research

Degree-days observed in Rome (°C)



Source: Reuters, SG Commodities Research

Clean Development Mechanism

Project pipeline evolution

	Last issue	This issue	Difference	Comments
Projects at PDD stage				
Number of projects	4612	4635	**23**	Relatively small projects, (between 12.000 and 110.000 CERs)
Corresponding volumes (Mt)	3365	3368	**3**	
Projects registered				
Number of projects	1243	1252	**9**	
Corresponding volumes (Mt)	1403	1408	**5**	
CER issuance				
Number of projects	428	432	**4**	Limited issuance this week
Corresponding volumes (Mt)	225	227	**2**	

Source: UNFCCC, Point Carbon, SG Commodity Research

CER issuance forecast (in Mt)

	2006	2007	2008	2009	2010	2011	2012
CER issued (actual)	28	71	128	0	0	0	0
CER volumes forecasts (risk discounted)	28	98	130	250	320	418	480

Source: UNFCCC, Point Carbon, SG Commodity Research

Joint Implementation

Project pipeline evolution

	Last issue	This issue	Difference	Comments
Projects at PDD stage				
Number of projects	388	388	**0**	No move
Corresponding volumes (Mt)	438	438	**0**	
Projects determined				
Number of projects	5	5	**0**	
Corresponding volumes (Mt)	11	11	**0**	
ERU issuance				
Number of projects	0	0	**0**	
Corresponding volumes (Mt)	0	0	**0**	

Source: UNFCCC, Point Carbon, SG Commodity Research

ERU issuance forecast (in Mt)

	2006	2007	2008	2009	2010	2011	2012
ERU issued (actual)	0	0	0	0	0	0	0
ERU volumes forecasts (risk discounted)	0	0	0	40	60	70	80

Source: UNFCCC, Point Carbon, SG Commodity Research

SG EUA price and volumes forecasts

		2006	1Q 07	2Q 07	3Q 07f	4Q 07	2007	1Q08f	2Q08f	3Q08f	4Q08f	2008
Phase I EU allowances (excluding NER)	Mt	2034	-	-	-	-	2038	-	-	-	-	-
Emissions	Mt	2038	-	-	-	-	2030	-	-	-	-	-
Deficit (-) / Surplus (+)	Mt	-4	-	-	-	-	8	-	-	-	-	-
Phase I ECX	€/tCO2	17.70	2.10	0.40	0.11	0.06	0.66	0.02	0.03	0.03	-	0.03
Phase II ECX	€/tCO2	20.50	15.20	20.40	20.20	22.40	19.55	21.50	25.70	24.40	18.50	22.50
CER	€/tCO2	-	-	-	-	-	15.10	15.90	17.70	20.10	16.00	17.40

Source : SG Commodities Research

SG Phase II EUA volumes forecasts

		2008	2009	2010	2011	2012
Expected emissions (a)	Mt	2177	2182	2234	2244	2531
Phase II allowances (EUA) (b)	Mt	2098	2098	2098	2098	2310
New Entrants Reserves unused (c)	Mt	40	40	40	40	40
Compliance Demand (d)=(a)-[(b)-(c)]	Mt	119	124	176	186	261
Other Demand (e)	Mt	40	60	70	80	80
Total EUA shortfall (f)=(d)+(e)	Mt	159	184	246	266	341
CER/ERU actual inflow (g)	Mt	130	170	180	203	253
Domestic reductions (h)=(f)-(g)	Mt	29	14	66	63	88

Source : SG Commodities Research

* Difference between total CER/ERU generation and ETS inflow is non-ETS demand (EU governments, other governments, EU non-ETS companies, other countries companies)
** Hypothesis: 50% of NER will not be used
*** Hypothesis: 75% of CER/ERU import capacity will be used

Spreads

In the “Power Spreads” sheet, we compute the cost of the power produced by coal and gas and the impact of carbon cost. The results are called “dark spread” (i.e., the net margin for a power producer from coal, computed as the difference between power price and coal cost), and the “spark spread” (i.e., the net margin for a power producer from gas, computed as the difference between power price and gas cost. Once carbon cost is taken into account, these spreads become “clean” ones

We do this for three countries in Europe (UK, Germany and Spain). 2008 forward prices are used for all the series. All prices are expressed in EUR/MWh

The dark and spark spreads are calculated with the following formula:

Dark spread	Power price – Coal commodity price/ Coal plants heat rate
Spark spread	Power price – Gas commodity price/ Gas plants heat rate

To obtain clean dark and clean spark spreads, the carbon cost is removed for the precedent spread:

Clean dark spread	Dark spread – Carbon price x Coal emissions rate
Clean spark spread	Spark spread – Carbon price x Gas emissions rate

Rk: For Spain, the gas price used is UK NatGas because no forward price is available for LNG to 2008

Temperatures

To have a good vision on how the temperatures influence the carbon price, we make, in the “Temperature” sheet, a comparison between the degree-days* observed in 2008 and the degree-days observed in 2007, 2006 and the maximum observed during the last ten years. To keep the graph clear we use an average on the last ten days.

*A Degree-Day is the absolute value of the difference between the temperature observed and 18°C (Heating and Cooling Degree-Days).

Annex B	Annex B to the Kyoto Protocol	36 countries committed to GHG emission reductions
Annex I	Annex I of the climate change convention	Industrialized countries aiming at reducing their emissions
AAU	Assigned Amount Unit	Annex B party carbon allocation over 2008-12
CDM	Clean Development Mechanism	Emission reduction projects in non Annex I countries
CER	Certified Emission Reduction	Credits from CDM projects
EUA	European Union Allowance	Quota for European industry participants
ECX	European Carbon Exchange	Largest carbon exchange place
ERU	Emission Reduction Unit	Credits from JI projects
ETS	Emission Trading Scheme	EU carbon cap and trade system
JI	Joint Implementation	Emission reduction projects in Annex B countries
NAP	National Allocation Plans	Member States carbon total allowances in the EU ETS
Phase I		EU ETS « trial-run » phase, from 2005 to 2007
Phase II		EU ETS Kyoto phase, from 2008 to 2012
PDD	Project Design Document	Initial detailed CDM/JI document required by the UN

Economic indicators

		GMT	Period	Last	SG Fcst	Cons
	During the week					
CH	Actual FDI YTD (YoY)		NOV	35.06%	na	na
	Exports (YoY)		NOV	19.2%	na	15.0%
	Imports (YoY)		NOV	15.6%	na	12.0%
	Money Supply - M0 (YoY)		NOV	10.6%	na	na
	Money Supply - M1 (YoY)		NOV	8.9%	na	na
	Money Supply - M2 (YoY)		NOV	15%	na	15.0%
	Trade Balance, USD bln		NOV	35.20	na	31.07
	Wholesale Prices (YoY)		NOV	4%	na	na
	Monday8-Dec-2008					
AU	ANZ Job Advertisements (MoM)	0:30	NOV	-5.9%	na	na
JN	Eco Watchers Survey: Current	5:00	NOV	22.6	na	20
	Eco Watchers Survey: Outlook	5:00	NOV	25.2	na	na
UK	PPI Input nsa (MoM)	9:30	NOV	-5.6%	-2.6%	-2.6%
	PPI Input nsa (YoY)	9:30	NOV	13.8%	6.9%	6.9%
	PPI Output Core nsa (MoM)	9:30	NOV	-0.5%	-0.4%	-0.4%
	PPI Output Core nsa (YoY)	9:30	NOV	4.9%	4.4%	4.5%
	PPI Output sa (MoM)	9:30	NOV	-1.0%	-0.4%	-0.5%
	PPI Output sa (YoY)	9:30	NOV	6.8%	5.6%	5.6%
GE	Industrial Production sa (MoM)	11:00	OCT	-3.6%	-1.5%	-1.8%
	Industrial Production nsa wda (YoY)	11:00	OCT	-2.1%	-3.6%	-2.7%
EUR	ECB's Trichet Speaks at European Finance Convention Brussels	12:30				
	ECB's Trichet Speaks at European Parliament	14:00				
	ECB to Call for Bids in Special Term Refinancing Operation	14:30				
	ECB's Bonello Attends Event in Luxembourg	16:00				
IN	Manpower Survey	18:31		0.48	na	na
JN	Gross Domestic Product (QoQ)	23:50	3Q F	-0.9%	na	-0.2%
	GDP Annualized	23:50	3Q F	-3.7%	na	-0.9%
	GDP Deflator (YoY)	23:50	3Q F	-1.6%	na	-1.6%
	Tuesday9-Dec-2008					
UK	BRC Retail Sales Monitor	0:01	NOV			
	RICS House Price Balance	0:01	NOV	-82%	na	-83%
JN	Coincident Index CI	5:00	OCT P	100.9	na	98.2
	Leading Index CI	5:00	OCT P	89.4	na	85.0
GE	Current Account, EUR bln	7:00	OCT	15.0	na	14.3
	Exports sa (MoM)	7:00	OCT	0.8% R	na	0.1%
	Imports sa (MoM)	7:00	OCT	0.9%	na	-2.7%
	Trade Balance, EUR bln	7:00	OCT	15.0	na	15.0
FR	Central Govt. Balance, EUR bln	7:45	OCT	-56.6	na	na
	Trade Balance, EUR bln	7:45	OCT	-6.3	na	na
SW	CPI - Headline Rate (MoM)	8:30	NOV	0.2%	na	na
	CPI - Headline Rate (YoY)	8:30	NOV	4%	na	na
	CPI - Underlying Infl. (MoM)	8:30	NOV	-0.2%	na	na
	CPI - Underlying Infl. (YoY)	8:30	NOV	2.7%	na	na
	CPI Level	8:30	NOV	305.56	na	na
AU	Reserve Bank Governor Stevens Speaks in Sydney	9:00				
EUR	ECB Council Member Liikanen Speaks in Helsinki	9:00				
UK	DCLG House Prices (YoY)	9:30	OCT	-5.1%	na	na
	Industrial Production (MoM)	9:30	OCT	-0.2%	-1.0%	-0.3%
	Industrial Production (YoY)	9:30	OCT	-2.2%	-3.7%	-3.0%
	Manufacturing Production (MoM)	9:30	OCT	-0.8%	-1.0%	-0.2%
	Manufacturing Production (YoY)	9:30	OCT	-2.3%	-3.6%	-2.8%
	Trade Balance Non EU, GBP mln	9:30	OCT	-4508	-4500	-4550
	Visible Trade Balance, GBP mln	9:30	OCT	-7482	-7300	-7500
GE	Zew Survey (Current Situation)	10:00	DEC	-50.4	-65.0	-60.0
	Zew Survey (Econ. Sentiment)	10:00	DEC	-53.5	-64.0	-57.5
EUR	ECB Announces Results of Special Term Refinancing Operation	10:15				
CA	Bank of Canada Rate	14:00		2.25%	1.75%	1.75%
EUR	ECB to Call for Bids in 3-Month Supplementary Refi Operation	14:30				
	ECB to Call for Bids in 6-Month Supplementary Refi Operation	14:30				
UK	Speech by Andrew Sentance, Monetary Policy and the Markets Conference, London	14:30				
US	Pending Home Sales (MoM)	15:00	OCT	-4.6%	na	-2.3%
JN	Domestic CGPI (MoM)	23:50	NOV	-1.6%	na	-1.7%
	Domestic CGPI (YoY)	23:50	NOV	4.8%	na	2.8%
	Machine Orders (MoM)	23:50	OCT	5.5%	na	-4.0%
	Machine Orders (YoY)	23:50	OCT	-4.2%	na	-15.1%

Economic indicators

		GMT	Period	Last	SG Fcst	Cons
	Wednesday10-Dec-2008					
AU	Investment Lending	0:30	OCT	-1.1%	na	-2.0%
	Value of Loans (MoM)	0:30	OCT	-1.9%	na	1.3%
CH	Producer Price Index (YoY)	2:00	NOV	6.6%	na	4.5%
FR	Industrial Production (MoM)	7:45	OCT	-0.5%	na	-0.3%
	Industrial Production (YoY)	7:45	OCT	-1.9%	na	-3.6%
	Manufacturing Production (MoM)	7:45	OCT	-0.8%	-1.0%	na
	Manufacturing Production (YoY)	7:45	OCT	-2.5%	-4.9%	na
SW	Industrial Orders sa (MoM)	8:30	OCT	-4.7%	na	na
	Industrial Orders nsa (YoY)	8:30	OCT	-7.2%	na	na
	Industrial Production sa (MoM)	8:30	OCT	-2%	na	na
	Industrial Production nsa (YoY)	8:30	OCT	-4.9%	na	na
IT	Industrial Production sa (MoM)	9:00	OCT	-2.1%	-1.5%	-1.2%
	Industrial Production nsa (YoY)	9:00	OCT	-0.4%	na	na
	Industrial Production wda (YoY)	9:00	OCT	-5.7%	na	-4.3%
SW	AMV Unemployment Rate	9:00	NOV	3.3%	na	na
NO	CPI (MoM)	9:00	NOV	0.4%	na	na
	CPI (YoY)	9:00	NOV	5.5%	na	na
	CPI Underlying (MoM)	9:00	NOV	0.3%	na	na
	CPI Underlying (YoY)	9:00	NOV	3.3%	na	na
IT	GDP sa and wda (QoQ)	10:00	3Q F	-0.4%	-0.5%	-0.5%
	GDP sa and wda (YoY)	10:00	3Q F	-0.2%	-0.9%	-0.9%
	Exports	10:00	3Q	-0.7%	na	-0.2%
	Imports	10:00	3Q	0.3%	na	-0.1%
	Government Spending	10:00	3Q	0.3%	na	0.2%
	Private Consumption	10:00	3Q	-0.3%	na	-0.2%
	Total investments	10:00	3Q	-0.2%	na	-0.9%
EUR	ECB Announces Results of 3-Month Supplementary Refi Operation	10:15				
	ECB Announces Results of 6-Month Supplementary Refi Operation	10:15				
US	MBA Mortgage Applications	12:00	05-Dec	112.1%	na	na
CA	Labor Productivity (QoQ)	13:30	3Q	-0.2%	na	na
US	Wholesale Inventories	15:00	OCT	-0.1%	na	0.1%
	Monthly Budget Statement, USD bln	20:00	NOV	-98.2	na	-189.0
	Thursday11-Dec-2008					
EUR	ECB's Mersch speaking in Luxembourg					
AU	Employment Change, K	0:30	NOV	34.3	na	-15.0
	Participation Rate	0:30	NOV	65.3%	na	65.2%
	Unemployment Rate	0:30	NOV	4.3%	na	4.4%
CH	Consumer Price Index (YoY)	2:00	NOV	4%	na	3.0%
FR	Non-Farm Payrolls (QoQ)	7:45	3Q F	-0.2%	-0.1%	na
EUR	ECB's Trichet Speaks at Forum in Frankfurt	8:05				
SZ	SNB 3-Month Libor Target Rate	8:30		1.00%	0.50%	0.50%
SW	Activity Index Level	8:30	OCT	122.2	na	na
	Unemployment Rate	8:30	NOV	5.7%	na	na
EUR	ECB's Monthly Report (Text)	9:00	DEC			
UK	Bank of England Inflation Attitudes Survey	9:30	NOV			
	CBI Industrial Trends survey	11:00	DEC			
IN	Wholesale Price Index (YoY)	12:30	29-Nov	8.4%	na	na
CA	Int'l Merchandise Trade, CAD bln	13:30	OCT	4.5	na	3.2
US	Import Price Index (MoM)	13:30	NOV	-4.7%	na	-4.6%
	Import Price Index (YoY)	13:30	NOV	6.7%	na	-1.5%
	Initial Jobless Claims	13:30	06-Dec	509	na	na
	Trade Balance, USD bln	13:30	OCT	-56.5	-54.7	-53.5
EUR	ECB's Tumpel Gugerell speaks in Vienna	17:00				
	ECB's Noyer, SocGen's Oudea Speak About Financial Markets	17:30				
	Friday12-Dec-2008					
IN	Industrial Production (YoY)		OCT	4.8%	na	na
CH	Retail Sales (YoY)	2:00	NOV	22%	na	20.7%
	Retail Sales YTD (YoY)	2:00	NOV	22%	na	na
JN	Industrial Production (MoM)	4:30	OCT F	-3.1%	na	na
	Industrial Production (YoY)	4:30	OCT F	-7.1%	na	na
	Consumer Confidence	5:00	NOV	29.8	na	na
	Consumer Confidence Households	5:00	NOV	29.4	na	na
FR	Bank of France Business Sentiment	7:30	NOV	77	75	na
	Current Account, EUR bln	7:45	OCT	-4.0	na	-4.0
SP	Consumer Price Index (MoM)	8:00	NOV	0.3%	-0.5%	-0.4%
	Consumer Price Index (YoY)	8:00	NOV	3.6%	2.3%	2.4%
	CPI (Core Index) (MoM)	8:00	NOV	0.9%	0.2%	0.3%
	CPI (Core Index) (YoY)	8:00	NOV	2.9%	2.6%	2.7%
	CPI (EU Harmonised) (MoM)	8:00	NOV	0.3%	-0.5%	-0.4%
	CPI (EU Harmonised) (YoY)	8:00	NOV F	3.6%	2.4%	2.4%
IT	Labor Costs (QoQ)	9:00	3Q	-2.3%	na	na
	Labor Costs (YoY)	9:00	3Q	3.1%	na	na
EUR	Industrial Production sa (MoM)	10:00	OCT	-1.6%	-1.2%	-0.5%
	Industrial Production wda (YoY)	10:00	OCT	-2.4%	-3.9%	-3.3%

	Labour Costs (YoY)	10:00	3Q	2.7%	na	2.6%
US	Advance Retail Sales	13:30	NOV	-2.8%	-2.0%	-1.8%
US	PPI Ex Food & Energy (MoM)	13:30	NOV	0.4%	0.1%	0.1%
	PPI Ex Food & Energy (YoY)	13:30	NOV	4.4%	na	4.3%
	Producer Price Index (MoM)	13:30	NOV	-2.8%	-1.5%	-1.8%
	Producer Price Index (YoY)	13:30	NOV	5.2%	na	0.2%
	Retail Sales Less Autos	13:30	NOV	-2.2%	-2.0%	-1.7%
	Business Inventories	15:00	OCT	-0.2%	na	-0.1%
	U. of Michigan Confidence	15:00	DEC P	55.3	56.0	55.0

COMMODITIES RESEARCH

Head

Dr. Frederic Lasserre (33) 1 42 13 44 06

Paris

Carbon & Coal
Dr. Emmanuel Fages (33) 1 42 13 30 29

Oil & Products / Cross Commodity Strategy
Remy Penin (33) 1 42 13 55 74

Agricultural Commodities
Emmanuel Jayet (33) 1 42 13 57 03

Energy Special Advisor
Sadek Boussena (33) 1 42 14 59 11

London

Cross Commodity Technical Analysis
Stephanie Aymes (44) 207 762 58 98

Oil & Products
Michael Wittner (44) 207 762 57 25

Cross Commodity Strategy
Jesper Dannesboe (44) 207 762 56 03

Metals
David Wilson (44) 207 762 53 84

New York

US Natural Gas / Cross Commodity Strategy
Dr. Michael S. Haigh (1) 212 278 57 45

US Natural Gas
Laurent Key (1) 212 278 57 36

Email: Please click on the analyst name (firstname.lastname@sgcib.com)

COMMODITY MARKETING

Head

Xavier Lannegrace (33) 1 42 13 88 10

Paris

Energy
energy.paris@sgcib.com (33) 1 42 13 90 35

Metals, Steel
base.paris@sgcib.com (33) 1 42 13 88 10
precious.paris@sgcib.com

Investors
structured.paris@sgcib.com (33) 1 42 13 69 59

London

Energy, Plastics
plastics.london@sgcib.com (44) 207 867 87 21

Plastics & Steel Specialist
Sebastian Castelli (44) 207 762 52 75

Metals
base.london@sgcib.com (44) 207 867 87 21

New York

Energy
energy.newyork@sgcib.com (1) 212 278 56 08

Base Metals, Steel
base.newyork@sgcib.com (1) 212 278 56 61

Precious Metals
precious.newyork@sgcib.com (1) 212 278 56 61

Plastics
plastics.newyork@sgcib.com (1) 212 278 56 08

Investors
commodityinvest.newyork@sgcib.com (1) 212 278 62 55

Houston

Energy
energy.houston@sgcib.com (1) 713 759 63 60

Sydney

Energy, Metals, Steel
commodities.sydney@sgcib.com (61) 292 32 38 11

Calgary

Energy
energy.calgary@sgcib.com (1) 403 698 89 10

Singapore

Energy, Plastics, Metals, Steel
energy.singapore@sgcib.com (65) 63 26 77 90

Société Générale
Corporate & Investment Banking
Tours Société Générale
17, cours Valmy
92972 Paris - La Défense Cedex
France
www.commodities.sgcib.com

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